



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Saturday, July 18, 2015

Issued: 0800 CT

Day 1 Hazards: Heat index values of 102F+ degrees over much of the eastern half of FEMA Region 6.

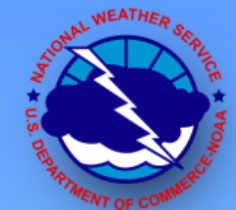
National Weather Service

Southern Region Headquarters
Regional Operations Center
Fort Worth, TX



Prepared by: Kurt M. Van Speybroeck
817-978-1100 x 147

Key Points



Today - Wednesday

- **Seasonal afternoon showers/thunderstorms across NM each day**
 - Isolated heavy rain/flooding possible
- **Heat continues through early next week with afternoon heat index values over 102F+ degrees for TX/OK/AR/LA**
 - Heat advisories possible through the weekend and into early next week
- **Marginal Risk of severe weather over extreme northern OK today and Sunday**
 - Isolated strong to severe thunderstorms with damaging winds possible in the afternoon/evening






Tropical Outlook

- **Monitoring tropical wave between Africa and the Windward Islands**
 - Low chance of tropical cyclone formation in the next 5 days

*FEMA Region 6 Threat Matrix

Jul 18, 2015 - Jul 22, 2015

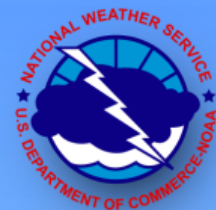
DAY/ THREAT	SAT	SUN	MON	TUE	WED
Severe Weather	OK Panhandle	N OK			
Heavy Rain /Flash Flooding					
Heat	Eastern 1/2 of the Region				
Tropical					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

We are experimenting with a new color scale to the left as of April 13th. Please provide feedback to sr-srh.roc@noaa.gov. See next slide for more details.



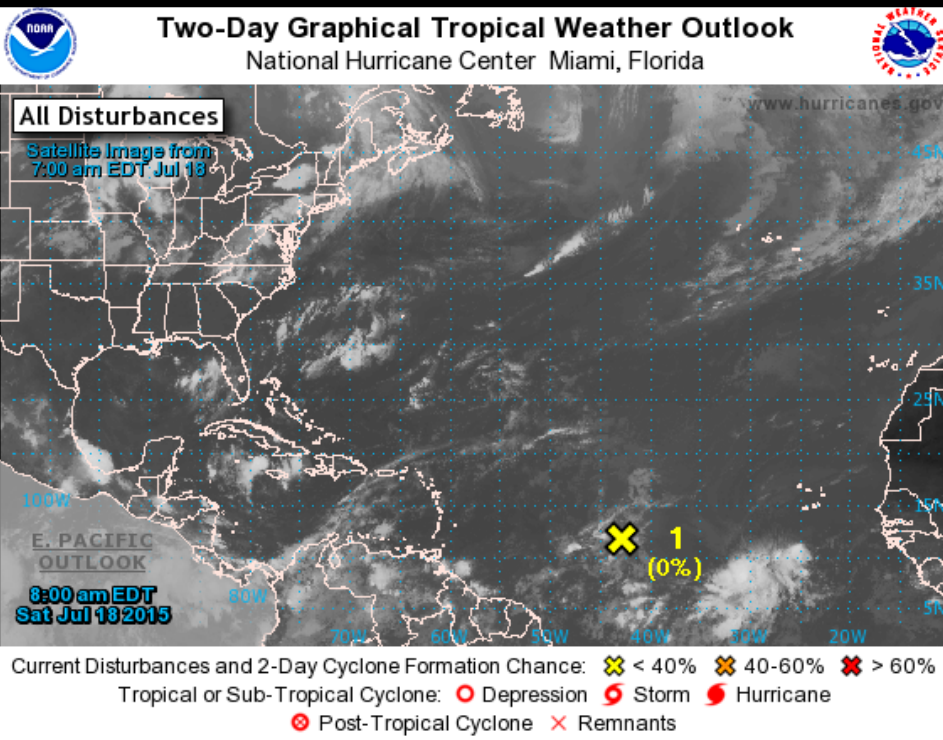
We are experimenting with a new color scale in these briefings, starting on April 13th. The criteria is below, please provide your feedback to sr-srh.roc@noaa.gov and we plan to re-evaluate in the coming months.



Weather "Threat" Matrix

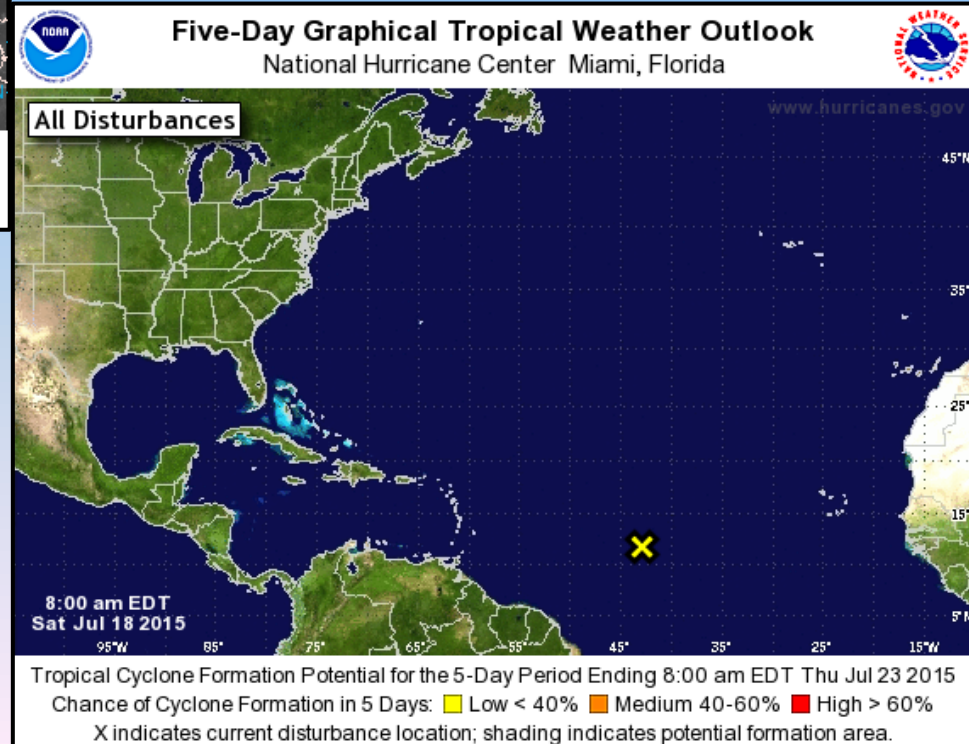
Color	Definition	Criteria	Example(s)
Green	Very Common – Happens Often Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Atlantic/Gulf Tropical Weather Outlook

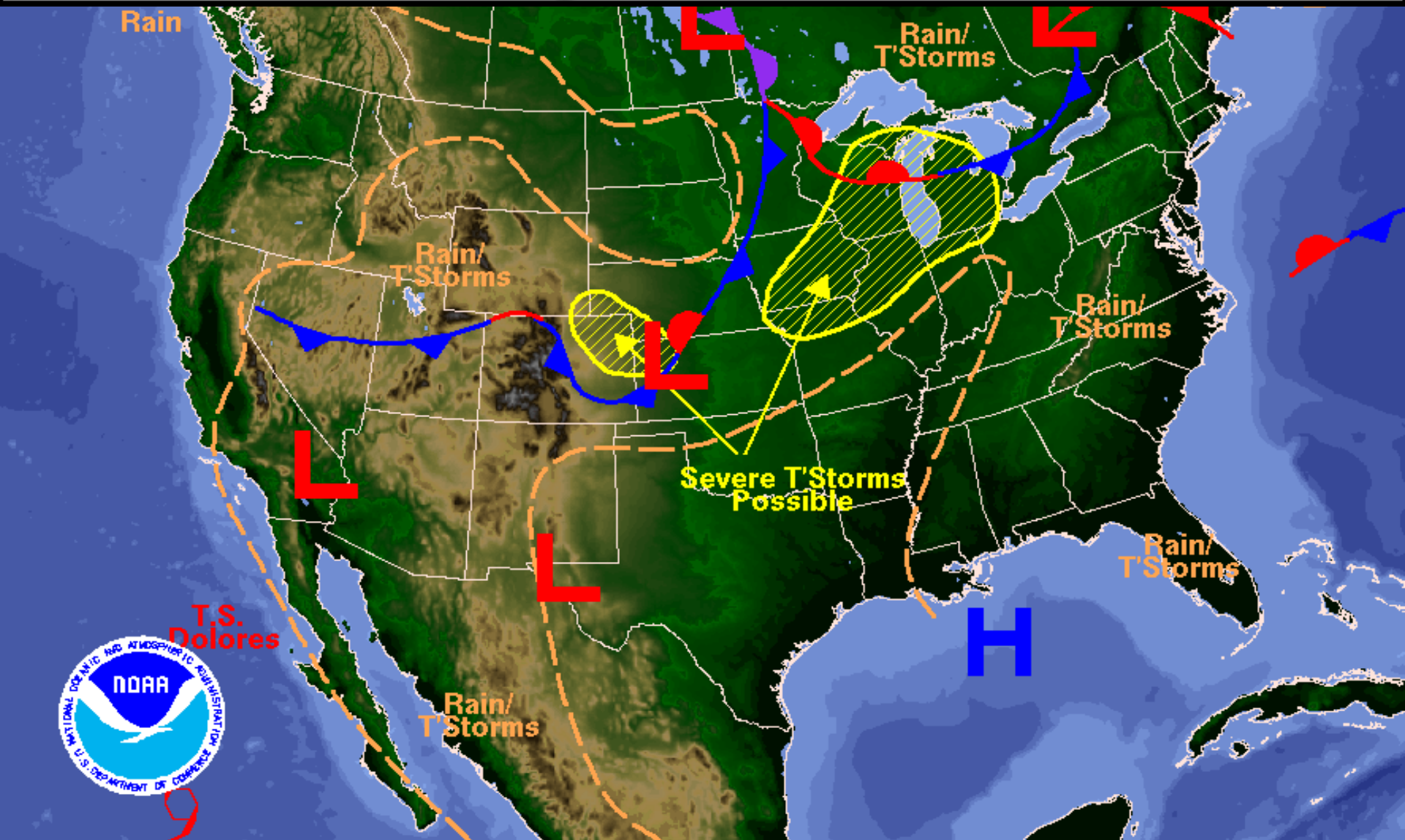


A westward-moving tropical wave located more than 1000 miles west-southwest of the Cape Verde Islands is producing disorganized cloudiness and showers. Environmental conditions could be marginally conducive for some slow development of this disturbance through the weekend before becoming much less conducive early next week.

- Formation chance through 48 hours...low...10 percent
- Formation chance through 5 days...low...10 percent



Today's Weather



Weather Forecast for Sat, Jul 18, 2015, issued 4:41 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Fanning based on WPC, SPC and NHC forecasts






Day 1 Weather Hazards

Valid: 0800 Sat - 0800 Sun



**Isolated
severe storms**

**Maximum Afternoon
Heat Index values of
102F+ degrees across
much of the
eastern half of the
Region.**

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

***Threat levels are based on FEMA
Region 6 criteria. State or local
threat level criteria may differ.**

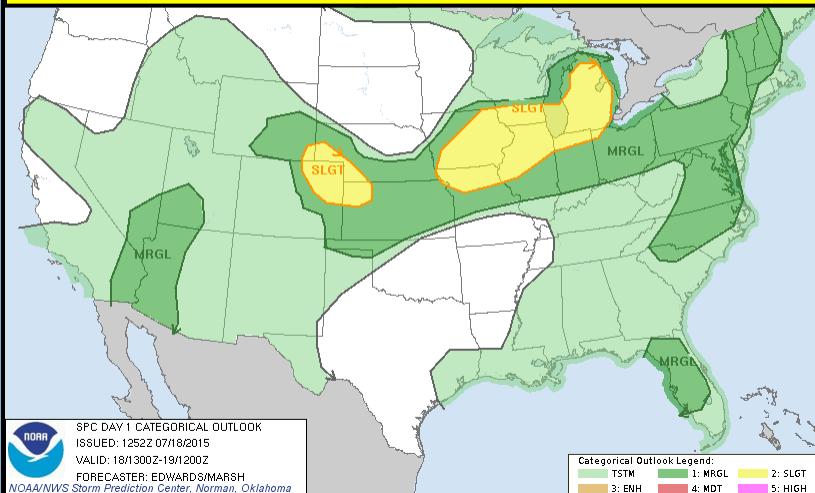


Saturday, July 18, 2015

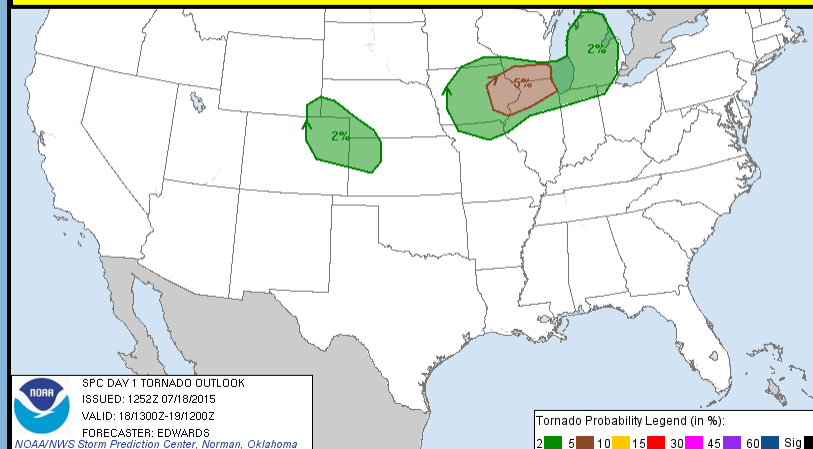
Severe Thunderstorm Potential



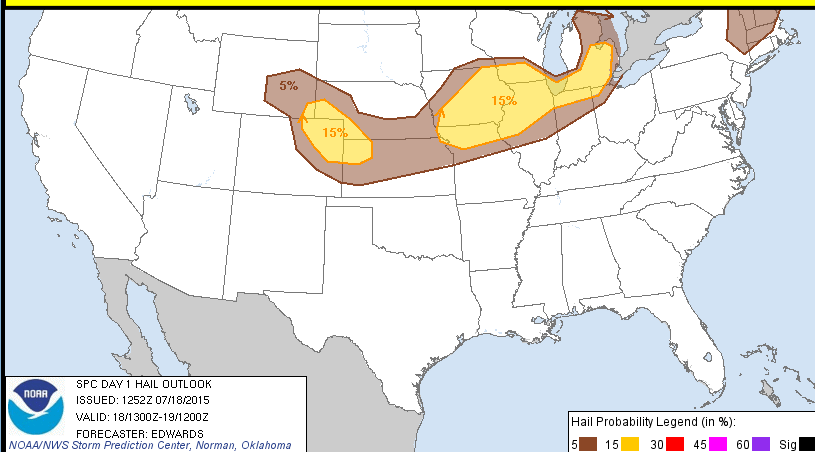
Overall Threat Potential



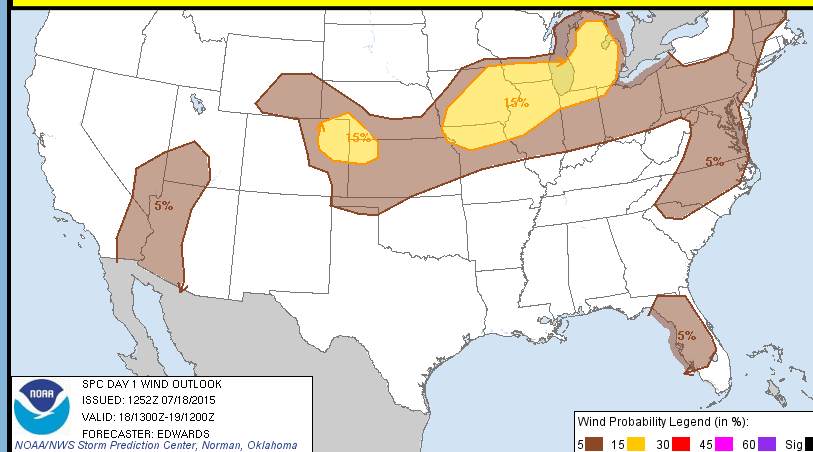
Probability of Tornado within 25 miles of a point



Probability of Damaging Hail within 25 miles of a point



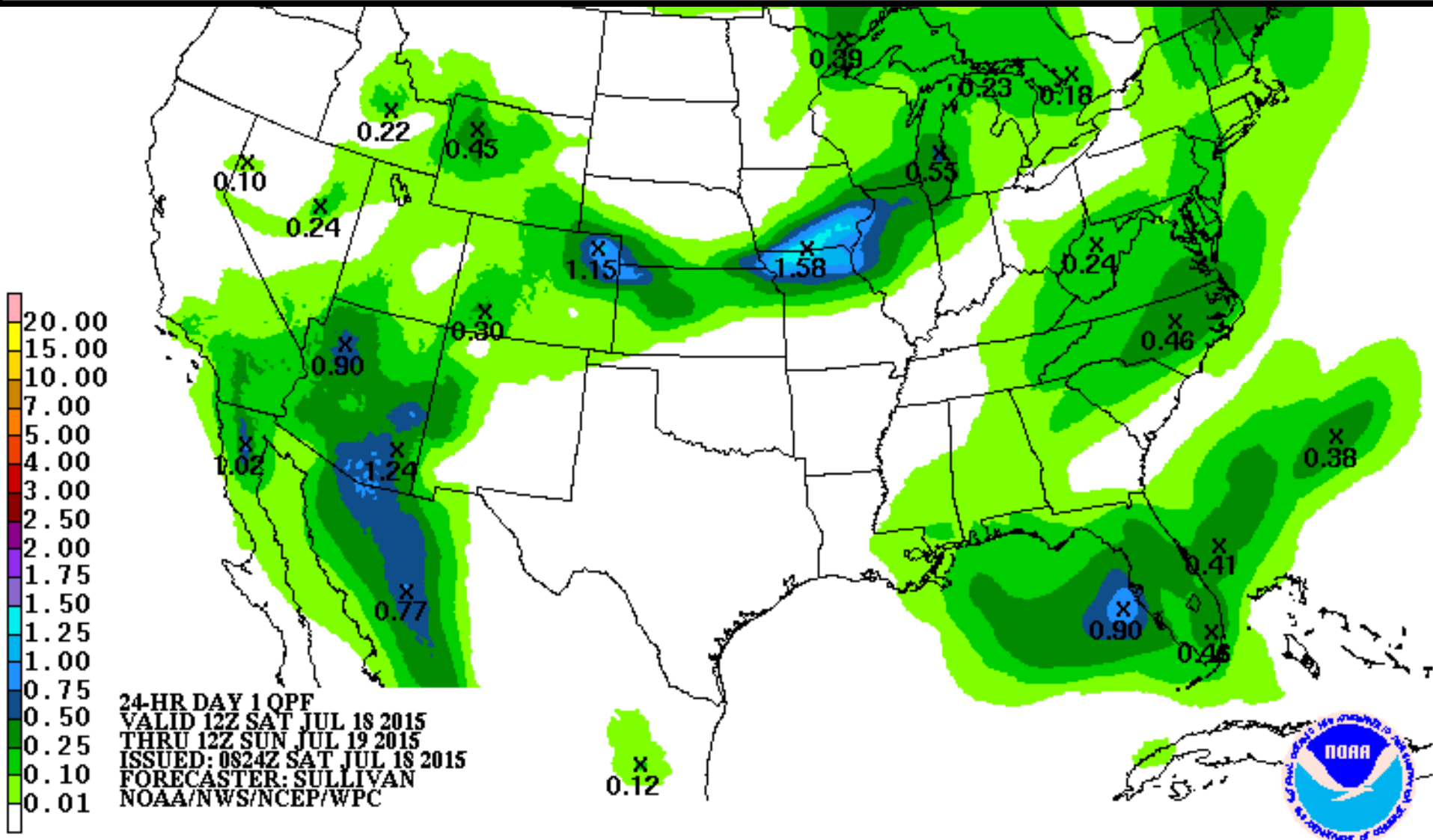
Probability of Damaging Winds within 25 miles of a point



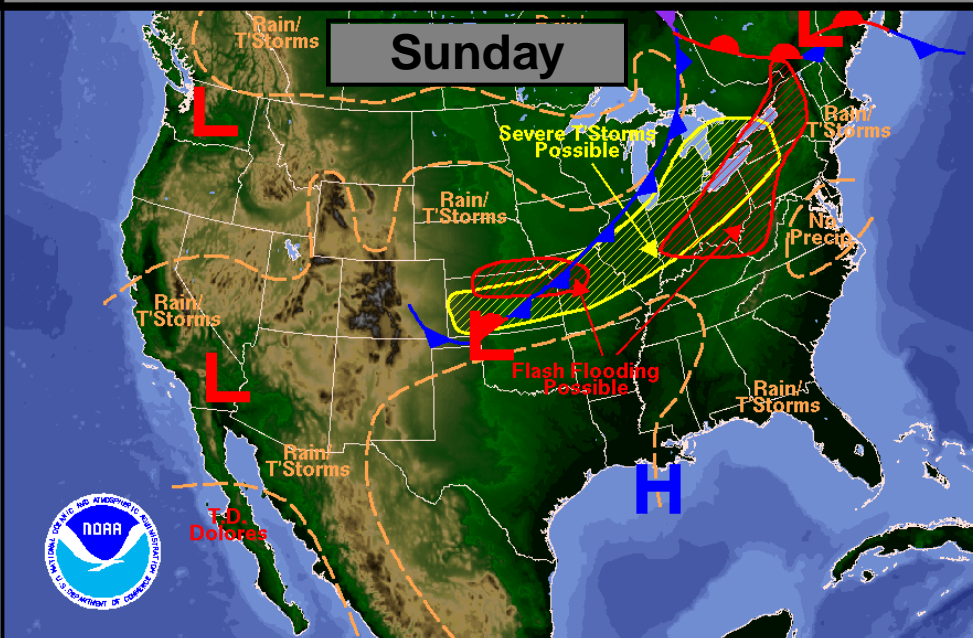
Building a Weather-Ready Nation

Today's Precipitation

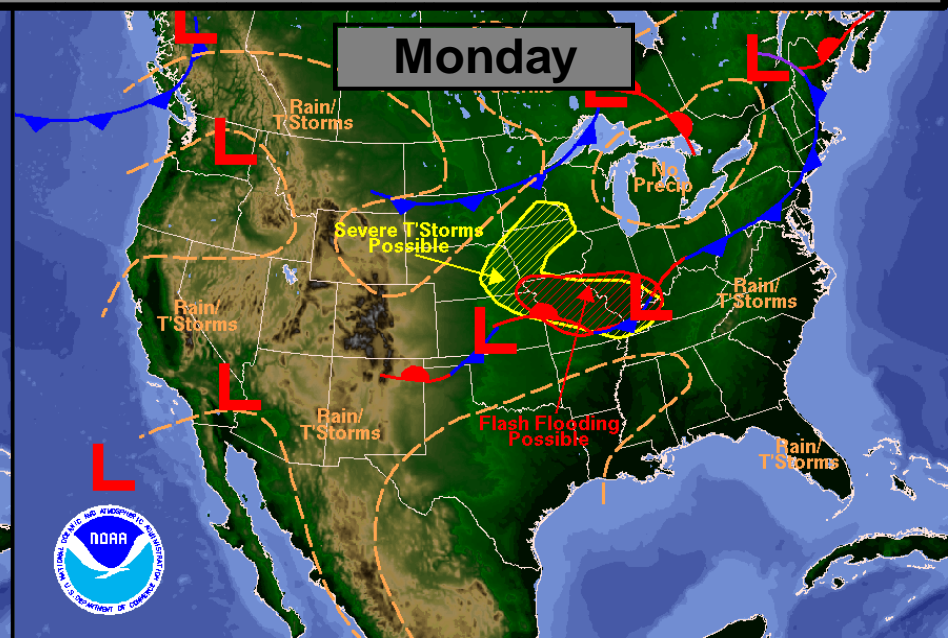
Sat AM - Sun AM



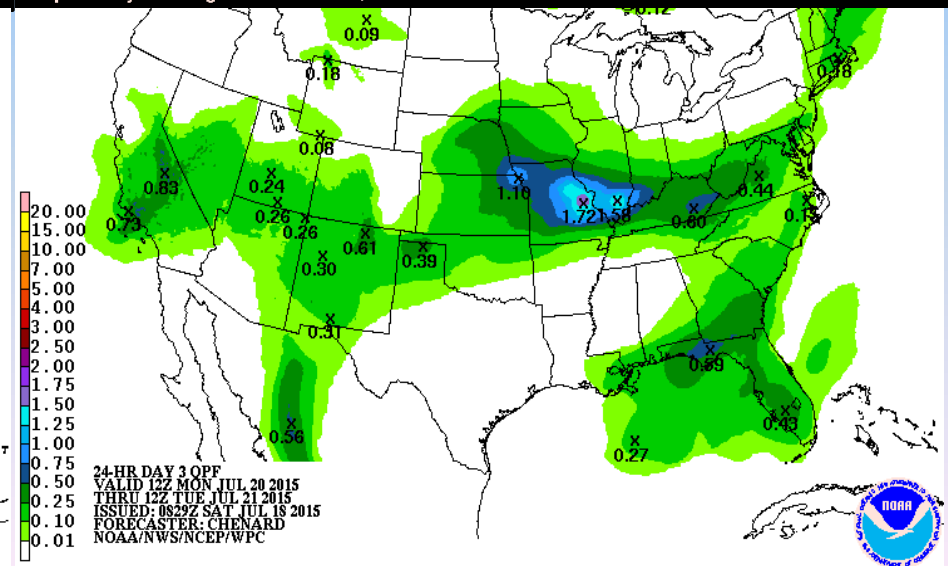
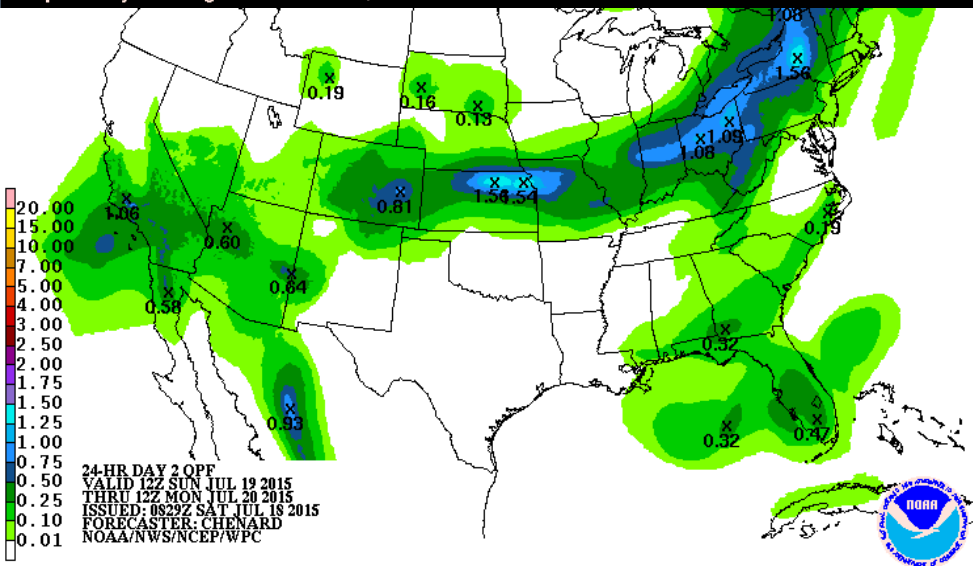
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Sun, Jul 19, 2015, issued 4:44 AM EDT Sat, Jul 18, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Fanning based on WPC, SPC and NHC forecasts



Weather Forecast for Mon, Jul 20, 2015, issued 4:46 AM EDT Sat, Jul 18, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Fanning based on WPC, SPC and NHC forecasts



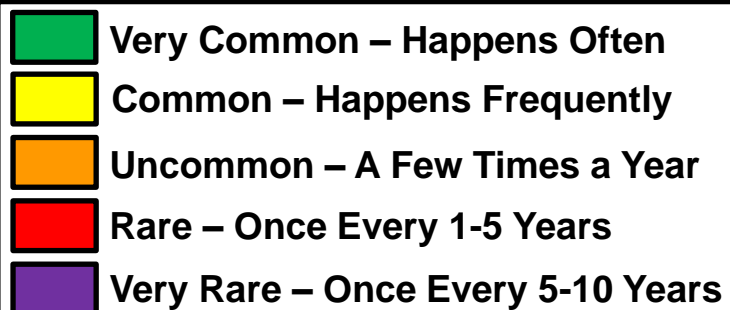
Day 2-3 Weather Hazards

Valid: 0800 Sun - 0800 Tue



Isolated severe storms Sunday

Maximum Afternoon
Heat Index values of
102F+ degrees across
much of the
eastern half of the
Region.



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Day 4-5 Weather Hazards

Valid: 0800 Tue - 0800 Thu



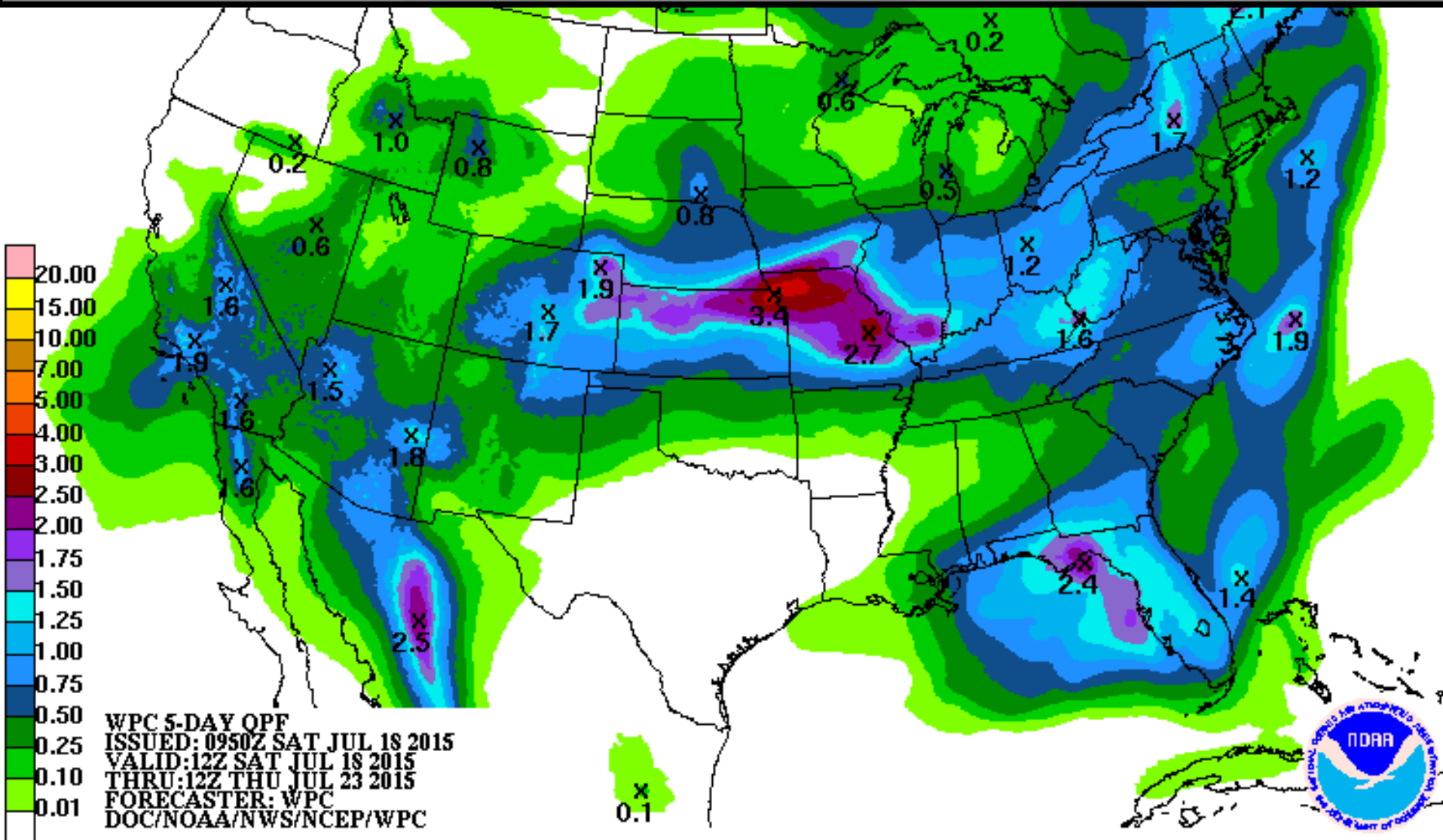
**Maximum Afternoon
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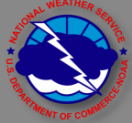


**Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*

5-Day Precipitation

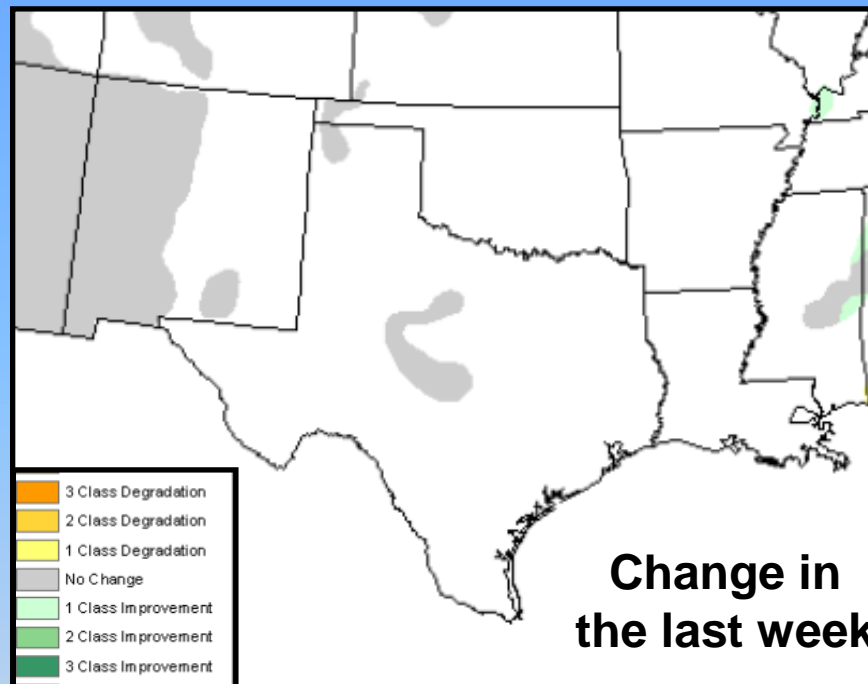
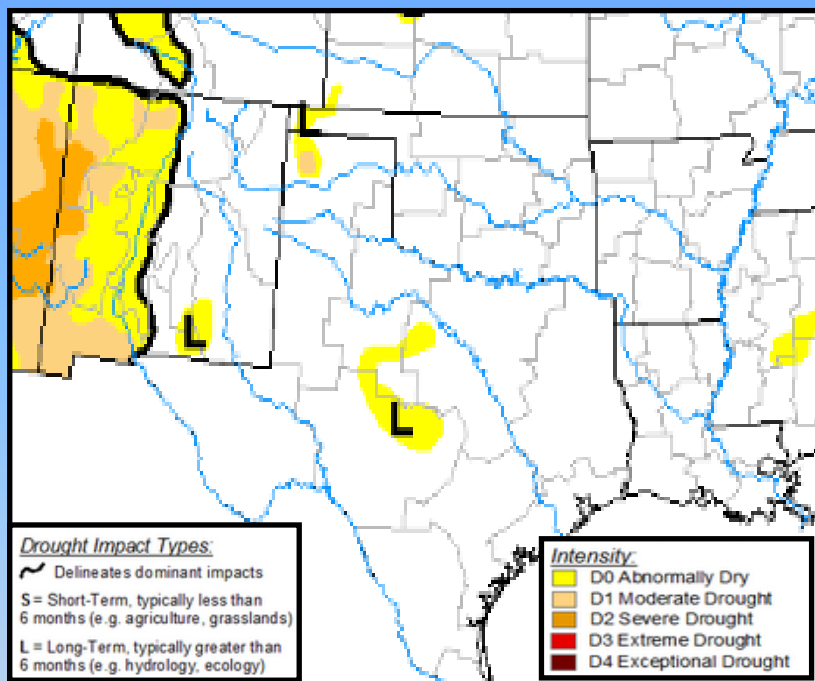
Sat AM - Thu AM





Drought Monitor Released July 16th, 2015

Data valid as of Tuesday July 14th, 2015



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	39.72%	29.37%
Texas	0.00%	0.00%	14.91%	18.36%
New Mexico	0.00%	0.00%	0.00%	40.46%
Arkansas	0.00%	0.00%	12.82%	13.18%
Louisiana	0.00%	0.00%	0.00%	0.00%

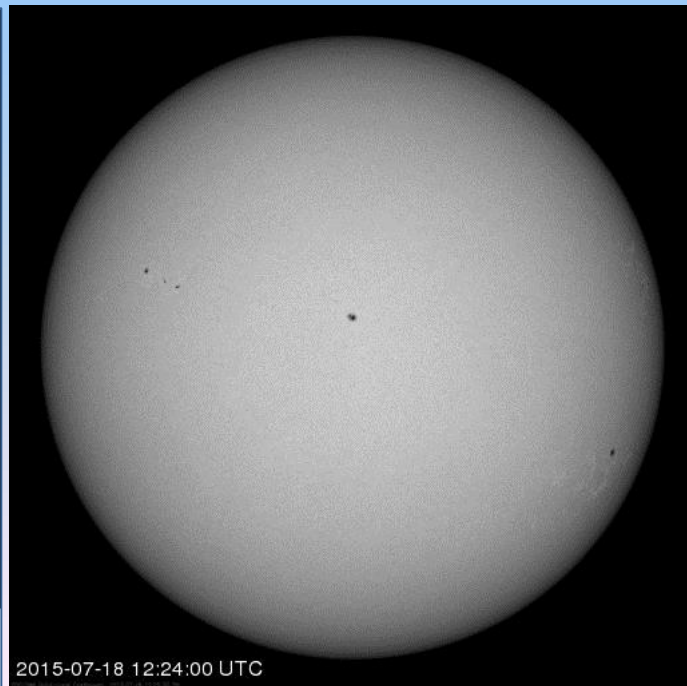
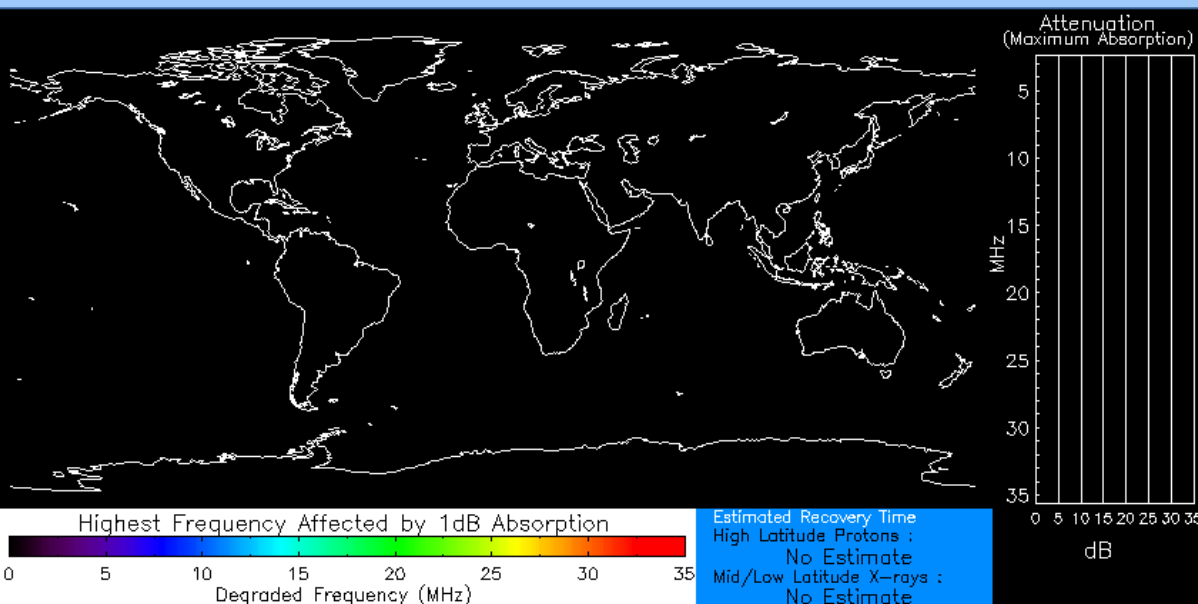
Space Weather 3-Day Forecast



	Saturday	Sunday	Monday
Geomagnetic Storms	Quiet (Max Kp = 2)	Unsettled (Max Kp = 3)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	10%	10%	10%
Radio Blackout (R3-R5)	1%	1%	1%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2015-07-18 12:24:00 UTC

Normal X-ray Background
Product Valid At : 2015-07-18 13:05 UTC

Normal Proton Background
NOAA/SWPC Boulder, CO USA

Information provided by:



National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

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